

EROSION CONTROL NARRATIVE

The purpose of this project is to construct several athletic fields and associated infrastructure on 70.25 acres in Fauquier County, Virginia. The site generally slopes and drains to two major drainage swales. These swales ultimately discharge under State Route 643 and into Turkey Run. These swales are identified on the FEMA Floodplain mapping as Zone 'A'.

The area surrounding this site is predominantly residential. There is a Virginia Power Substation to the northeast of the site. The County fairground is located to the southeast of the site. The proposed development will not impact any of the adjacent properties. The limits of development are contained within the limits of the site. The site has an fairly significant amount of cutting and filling but all sediment will be contained within the limits of the site with two sediment basins being the main source of sediment trapping. The roadway will utilize check dams and culvert inlet protection to contain sediment.

The major soil grouping is classified type . This soil has a low erodibility, moderate permeability and is suitable for the proposed development.

All construction activities will be in accordance with the current edition of the Virginia Erosion and Sediment Control Handbook. All devices and construction techniques refer to this standard. The site will be protected with EC devices until on 85% to 90% stand of vegetation is established. The site will be constructed in accordance with the sequence of construction shown on the plans.

SWM is not significantly impacted by the development since the receiving channels will adequately handle the drainage with very little increase in runoff being generated by the site. The site is mostly grassed areas or woods. The proposed fields will not change the amount of runoff generated by the site. The receiving channels are natural channels that meander through the site until they reach State Route 643. The channels are currently handling the discharge with no indication of erosion and this development will not significantly alter the amount of discharge into the channels. The intention of the development is to construct the two sediment basins as a first step in the construction activity. The site has an existing gravel road that will provide access to the sediment basins. Construction equipment will be used to construct the basins. The basins will have a construction entrance and exit to prevent sediment tracking on the state roadway. The site will also use diversion to direct sediment laden runoff to the sediment basins or sediment traps. The road way will use check dams to maintain runoff in the roadside ditches. The road construction will also install culvert pipes as a first measure to allow clean base flows to pass the roadway without sediment contamination. All erosion control measures will be maintained and remain in place until the site has achieved good stand of vegetation.

SEEDING SCHEDULE

MINIMAL CARE LAWN	100%	TOTAL LBS./ACRE
COMMERCIAL OR RESIDENTIAL	175-200 LBS	
-KENTUCKY 31 OR TURF TYPE TALL FESCUE	95-110%	
-IMPROVED PERENNIAL REGRASS	0-5%	
-KENTUCKY BLUEGRASS	0-5%	
HIGH MAINTENANCE LAWN	200-250 LBS	
-KENTUCKY 31 OR TURF TYPE TALL FESCUE	100%	
GENERAL SLOPE (<3:1 OR LESS)	128 LBS	
-KENTUCKY 31 TALL FESCUE	2 LBS	
-RED TOP GRASS	20 LBS	
-SEASONAL NURSE CROP*	150 LBS	
LOW MAINTENANCE SLOPE (>3:1 SLOPE)	108 LBS	
-KENTUCKY 31 TALL FESCUE	2 LBS	
-RED TOP GRASS	20 LBS	
-SEASONAL NURSE CROP*	20 LBS	
-CROWNWEIGHT*	150 LBS	

* USE SEASONAL NURSE CROP IN ACCORDANCE WITH SEEDING DATES AS SHOWN BELOW:

FEBRUARY 16TH THROUGH APRIL ANNUAL RYE
 MAY 1ST THROUGH AUGUST 15TH FXTAIL MILLET
 AUGUST 16TH THROUGH OCTOBER ANNUAL RYE
 NOVEMBER THROUGH FEBRUARY 15TH WINTER RYE

 ** SUBSTITUTION SERVICE: LESPEDeza FOR CROWNWEED EAST OF
 FARMVILLE, VA. (MAY THROUGH SEPTEMBER USE HULLED SERICEA, ALL
 OTHER PERIODS, USE UNHULLED SERICEA).
 IF FLATFIRE IS USED IN LIEU OF CROWNWEED, INCREASE RATE TO 30
 LBS./ACRE. ALL LEGUME SEED MUST BE PROPERLY INOCULATED.
 WEEPING LOVERGRASS MAY BE ADDED TO ANY SLOPE OR
 LOW-MAINTENANCE MIX DURING WARMER SEEDING PERIODS; ADD 10-20
 LBS./ACRE IN MIXES.

STRAW MULCH	2 TONS / AC
-MULCH	
-LIME	

COASTAL PLAIN: 2 TONS/ACRE PULVERIZED AGRICULTURAL GRADE LIMESTONE
(90 LBS/1000 FT.)

FERTILIZER
MIXED GRASSES AND LEGUMES.
1000 LBS/ACRE 10-20-10 OR EQUIVALENT NUTRIENTS
(23 LBS/1000²FT.)

LEGUME STANDS ONLY: 1000 LBS/ACRE 5-20-10 (23 LBS/1000 FT) IS PREFERRED;

GRASS STANDS ONLY: 1000 LBS/ACRE 10-20-10 OR EQUIVALENT NUTRIENTS, (23 LBS/1000 FT)

EROSION CONTROL NOTES

1. ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATION VR 625-02-00.

2. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RINFALL PRODUCING RAINFALL EVENT. NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.

3. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED.

4. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENVIRONMENTAL ENGINEERING DEPARTMENT.

Sequence of Construction

1. Obtain all necessary permits from Faudque County and John Marshall Soil and Water Conservation District prior to beginning work. If necessary, schedule all preconstruction meetings with inspecting authorities prior to any land disturbing activities.
2. Install construction entrance at existing gravel roadway.
3. Install sediment basin #1 and #2.
4. Install diversion along northwestern property line to divert runoff into sediment basin #1.
5. Install right side ditch along Second Park Road to reroute existing swale around roadway construction.
6. Begin clearing and grubbing of site.
7. Tipped stockpile to be located by contractor as directed by Parks representative and surrounded with silt fence to prevent any sediment escape.
8. Begin rough grading of fields, parking lots and roadway.
9. Install storm sewer system as grading allows.
10. Install inlet protection and culvert inlet protection as storm sewer is installed and grading allows.
11. Upon achieving rough grades for parking lots, finish grade and compact, as necessary, to the finished subgrade.
12. Upon achieving compacted subgrade for parking lots, install stone base and compact to 95% standard proctor.
13. Upon achieving rough grades for athletic fields and finished grades for parking lots, finish grade the fields.
14. Upon achieving final grades on athletic fields, install any required athletic equipment and begin to seed and mulch the fields as indicated upon detail drawings and specifications.
15. Upon achieving rough grades for roadway, finish grade the site.
16. Upon approval from inspector, install stone base and compact to 95% standard proctor.
17. Upon completion of all construction activities and inspections, install surface treatment for roadways and parking lots.
18. Upon achieving a good stand of vegetation on disturbed areas, request erosion control device removal from inspector.
19. All erosion control measures to be maintained until inspector indicates that it can be removed.
20. All disturbed areas to be seeded and mulched, as appropriate, upon achieving final grades or any inactivity expected to be longer than 30 days.

EROSION CONTROL LEGEND

CE	VESC STD CONSTRUCTION ENTRANCE 302
CF	VESC STD SLT FENCE 305
CH	VESC STD CULT VERT INLET PROTECTION 306
DD	VESC STD DIVERSION 309
ST	VESC STD SEDIMENT TRAP 313
SB	VESC STD SEDIMENT BASIN 314
DP	VESC STD OUTLET PROTECTION 318
DD	VESC STD CHECK DAM 320

EROSION CONTROL NOTES

CENTRAL AREA PARK
FAUQUIER COUNTY PARKS AND RECREATION
FAUQUIER COUNTY, VIRGINIA

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REVISIONS: 12/5/03 3/5/04 5/4/04	DRAWN BY: DJS CHECKED BY: PPM APPROVED BY: PPM DATE 1/21/08 SCALE: 1"=1'-0" PROJECT NO.: 10895ACD
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